INTERNATIONAL SEARCH REPORT

national Application No PCT/EP2004/006238

A. CLASS	SIFICATION OF SUBJECT MATTER		PCT/EP2004/006238		
IPC 7	SIFICATION OF SUBJECT MATTER C22B19/04 C22B19/34 C22E C22B13/02	35/10 C22B5/12		B5/16	
According	to International Patent Classification (IPC) or to both national c	dassification and the			
D. FIELDS	SEARCHED				
IPC 7	ocumentation searched (classification system followed by class C22B	ssification symbols)			
Documenta	tion searched other than minimum documentation to the exten	I that such documents are includ	led in the fields s	earched	
Electronic d	ata base consulted during the international search (name of d				
EPO-In	ternal, COMPENDEX	eda base and, where practical, s	earch terms used	d)	
C. DOCUME	ENTS CONSIDERED TO BE RELEVANT				
Category °	Citation of document, with indication, where appropriate, of t	the relevant passages		Dele	
				Relevant to dalm No.	
A	HEARD R ET AL.: "Recycling of Zinc-Bearing Residues with the Process" IRON STEELMAKER I AND SM, vol. 30, no. 4, April 2003 (20 pages 55-60, XP009020220 the whole document	1-12			
A	ESNA-ASHARI M ET AL: "SMELTIN FOR RECOVERING ZINC FROM INDUS ZINC BEARING RESIDUES" ERZMETALL, RIEDERER VERLAG GMB STUTTGART, DE, vol. 53, no. 6, 2000, pages 37 XP000959985 ISSN: 0044-2658 * Figure 1; pages 374-375 *		1-12		
	***	-/			
		•			
	r documents are listed in the continuation of box C.	χ Patent family mem	bers are listed in	annex.	
*Special categories of cited documents: *A* document defining the general state of the art which is not considered to be of particular relevance *E* earlier document but published on or after the international filing date *L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) *O* document referring to an oral disclosure, use, exhibition or other means *P* document published prior to the international filing date but later than the priority date claimed *Date of the actual completion of the international search		 *T* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention *X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone *Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art. *&* document member of the same patent family 			
o. a.e aci	completion of the international search	Date of mailing of the inte			
	September 2004	23/09/2004			
me and mail	ing address of the ISA European Patent Office, P.B. 5818 Patentlaan 2 NL – 2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, Fax: (+31-70) 340-3016	Authorized officer Bjoerk, P			
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INTERNATIONAL SEARCH REPORT

rnational Application No PCT/EP2004/006238

2.(Continu	ation) DOCUMENTS CONSIDERED TO BE RELEVANT	PCT/EP2004/006238		
Calegory °				
J,	miere appropriate, or the relevant passages	Relevant to claim No.		
A	WO 98/36102 A (BUCKETT GRAHAM ALAN ;BUKA TECH PTY LTD (AU); FOUNTAIN CHRISTOPHER) 20 August 1998 (1998-08-20) * page 20, lines 13-29 *	6		
Α.	DATABASE COMPENDEX 'Online! ENGINEERING INFORMATION, INC., NEW YORK, NY, US; DE SCHEPPER A: "Liquid-liquid extraction of germanium by LIX-63" XP002260042 Database accession no. EIX78110005759 abstract & CHLORIDE HYDROMETALL, INT SYMP, PROC, 26 September 1977 (1977-09-26), - 28 September 1977 (1977-09-28) pages 357-384, Brussels, Belgium	7		
,	GB 2 094 772 A (SAMIM SOC AZIONARIA MINERO MET) 22 September 1982 (1982-09-22) * page 1; lines 78-97 *	1-12		
,	US 6 379 421 B1 (GUERRA-REYES MARIA TERESA ET AL) 30 April 2002 (2002-04-30) * Figure 1; column 3, lines 34-56 *	1-12		
	US 4 415 540 A (WILKOMIRSKY IGOR A E ET AL) 15 November 1983 (1983-11-15) cited in the application the whole document	1-12		

INTERNATIONAL SEARCH REPORT

information on patent family members

rnational Application No PCT/EP2004/006238

Patent document cited in search report			·	r CI/EFZ	FC1/EF2004/006238	
		Publication date	Patent family member(s)		Publication date	
WO 9836102	Α	20-08-1998	AU	5974398 A	08-09-1998	
			WO	9836102 A1	20-08-1998	
		•	ZA	9801286 A	17-08-1999	
GB 2094772		22-09-1982				
45 205 1772	^	22-09-1902	IT	1137505 B	10-09-1986	
			BE	892470 A1	13-09-1982	
			CS DE	235010 B2	16-04-1985	
				3207026 A1	16-09-1982	
			DK FR	99782 A	14-09-1982	
			GR	2501723 A1	17-09-1982	
			IE	75875 A1	02-08-1984	
			LU	52611 B1	23-12-1987	
			NL	83997 A1	22-02-1983	
		•	SE	8201028 A	01-10-1982	
			SE	462978 B	24-09-1990	
			YU	8201569 A	14-09-1982	
			10 	54482 A1	20-03-1985	
US 6379421	B1	30-04-2002	AU	3317600 A	14-09-2000	
			EP	1165845 A2	02-01-2002	
•			ES	2200665 A1	01-03-2004	
			MO	0050649 A2	31-08-2000	
US 4415540	Α	15-11-1983	CA	1121605 A1	13-04-1982	
			ΑU	526363 B2	06-01-1983	
			AU	4608479 A	08-11-1979	
			BE	876054 A1	03-09-1979	
			DE	2914823 A1	15-11-1979	
			FΙ	791433 A ,B,	06-11-1979	
			FR	2424962 A1	30-11-1979	
			GB	2020261 A ,B	14-11-1979	
			ΙE	48112 B1	03-10-1984	
			JP	1456140 C	09-09-1988	
			JP	54147102 A	17-11-1979	
			JP	63000494 B	07-01-1988	
			US	4317803 A	02-03-1982	
			US	4619814 A	28-10-1986	
			US Za	4224122 A	23-09-1980	
				7901583 A		